AUS 5 1996

Before the FEDERAL COMMUNICATIONS COMMISSION Washington, D.C. 20554

In the Matter of)
)
Federal-State Joint Board on) CC Docket No. 96-45
Universal Service)
	DOCKET FILE COPY ORIGINAL
	· Manage

ERRATUM

Southwestern Bell Telephone Company (SWBT) files this Erratum to its "Responses of Southwestern Bell Telephone Company to the Questions Posed by the Joint Board" filed on August 2, 1996 (Response) After preparing the service copies of the Response, SWBT discovered several typographical and other errors in the Summary and a few in the Response. To correct those errors, SWBT submits the attached revised Summary and Response pages and requests that they be substituted for the original

Neither the original Response nor the corrections made through this Erratum take into account the Commission's adoption on August 1, 1996, of an order in *Implementation of the*



Local Competition Provisions in the Telecommunications Act of 1996, CC Docket No. 96-98.

Respectfully submitted,

SOUTHWESTERN BELL TELEPHONE COMPANY

By: Julian

Durward D. Dupre

Michael J. Zpevak

Darryl W Howard

Attorneys for Southwestern Bell Telephone Company

One Bell Center, Suite 3520 St. Louis, Missouri 63101 (314) 235-2513

August 5, 1996

SUMMARY*

Definitions Issues

While current local exchange rates are not unaffordable, affordability is best measured by identifying customers' ability to bear the cost of providing service. The implicit support mechanisms in LEC rates need to be eliminated by rate rebalancing to ensure customers pay more of the costs of their service. Subscription levels alone are not a good gauge of determining affordability. Instead, universal service expenditures should be seen as a household expenditure and measured as a percentage of median income. Based upon comparisons with other household expenditures, SWBT submits that 1.0% of a State's median income represents a reasonable level of expenditures for universal service. Although some allowance may need to be made initially, denying universal service support to carriers that do not provide all services within the definition of universal service is required by the Act and does not harm competition inasmuch as each new entrant determines when, where, and how it will provide service. There are many costs not included within the typical understanding of loop costs that are incurred in order to provide local exchange service.

Schools, Libraries, Health Care Providers

If a "funds to schools and libraries" approach is used, then the discount could effectively apply to all telecommunications services, as well as provide schools and libraries with greater flexibility. If a discount approach is used, the services should be limited due to the regulatory difficulties that would be encountered with such an approach. The use of "telecommunications service" throughout Section 254(h) excludes inside wire or other connections on the customer's side of the network demarcation point from funding under the Act. As a policy matter, including such wiring would not be competitively neutral even under a "funds to schools and libraries" approach. The Joint Board should employ Sections 706 and 708 to create the right environment for schools and libraries by encouraging regulatory reform that will make advanced services more attractive for carriers to provide.

In order to promote increased competition for the telecommunications business of schools and libraries while minimizing regulatory involvement, a "funds to schools and libraries" approach should be adopted. However, the Act is clear that libraries, schools, and health care providers cannot resell services made available under Section 254. Moreover, if allowed, there is simply no effective way to attribute network usage to different entities. Using block grants to the States seems to place an unnecessary step into the "funds to schools and libraries" approach that will only work contrary to the goals of the Act. An electronic account system could alleviate accountability concerns regarding the use of universal service funding for schools and libraries. To ensure bona fide requests for Section 254(h) funding, States should prepare lists of qualified schools for the fund administrator, who could use a simplified form to verify the existence of a technology plan and provide information regarding progress in meeting the Act's goals. Adoption of a "funds to schools and libraries" approach would eliminate the difficult and unanswerable questions regarding benchmark pricing and costing. Schools and libraries would be free to purchase services in a competitive marketplace, which would find them to be attractive customers. Issues on how to provide further discounts in those States that already make discounts available

^{*} The abbreviations used in this Summary are as defined in the main text.

would disappear with adoption of a "funds to schools and libraries" approach. SWBT is also supplying an attachment with those educational and health care plans adopted by States in its region.

SWBT supports providing additional assistance to economically disadvantaged schools and libraries and those which face high telecommunications costs. Given funding limitations, however, the need should not be presumed. Existing programs directed at need could be used, and many factors (e.g., numbers of school buildings, students, economically disadvantaged students) could be taken into account. A separate fund should be established although funded with a single surcharge on interstate retail revenues. The McKinsey Report would be a reasonable basis on which to size the fund. For private schools, extrapolating from existing studies on public schools may be the best method of estimating private school costs

High Cost Fund

General Questions: The current USF meets the principles of the Act and, with the exception of Tier 1 LEC funding, is properly targeted and sized. However, the method of funding USF and LTS should be modified to be consistent with the Act. The use of study areas should also be modified, with steps taken to ensure that, as an incumbent LEC which receives funding enters the service areas of another LEC, USF funding is not extended to that new area. Actual costs should be used for determining universal service support, with new entrants demonstrating a need for support, capped at the level provided to the incumbent LEC. The Act makes no distinction between price cap LECs and other LECs, and any distinction under Section 254 would be contrary to the law, unreasonable, arbitrary, capricious, an abuse of discretion, and violate the substantive due process and/or equal protection rights of price cap LECs. Neither a proxy cost model nor competitive bidding are appropriate, and neither should be mandated as either a transition method or final solution.

Proxy Models: As SWBT has consistently demonstrated, the proposed proxy cost models do not accurately reflect the actual costs of providing universal service, and thus should be rejected by the Joint Board and the Commission. The proposed models have been modified with no significant increase in accuracy, and call into question their validity and credibility. The reasons given for adopting proxy cost models are unsubstantiated and contradict findings of regulatory proceedings made over years. The costs calculated by a proxy model should reflect the definition of universal service and, to date, none of the proposed models explain how that is attempted in the models. Any proxy model would need to be modified as both the universal service definition and technology changes; the use of actual costs eliminates the issue of technology changes. Inasmuch as a proxy model cannot predict the costs that now exist to provide universal service, proxies should not be used for advanced services and information services. Actual costs for all areas and all carriers should be permitted. The proposed proxy models provide no incentive for future infrastructure development. Any proxy model adopted for use with universal service funding must be made public

<u>Competitive Bidding</u>: Competitive bidding is inappropriate as it would invite manipulation by competitors, discourage competition in high-cost areas and construction of facilities, and

would add additional regulatory burdens; if adopted, all winning bidders must be willing to be bound by all of the carrier of last resort and other obligations as the incumbent LEC.

Benchmark Cost Model: SWBT is supplying a previous ex parte to demonstrate the difference between the actual cost of providing local service, and the output of the BCM. Using existing wire center data would be advantageous since it already exists. New entrants would not be disadvantaged since resale is an option to serve any part of a universal service area where their own facilities do not exist. The use of a proxy model would require changes to the USF rules and the interstate allocation limit rules.

Cost Proxy Model Proposed by Pacific Telesis: SWBT is not sufficiently familiar with CPM, but intends on supplying input after its analysis of CPM is complete.

SLC/CCLC

The interstate CCL recovers costs properly borne by the end user, but today recovers for SWBT \$314 million annually from toll users. Of that, \$36 million annually represents recovery of LTS. The net amount that SWBT retains is used to recover common line costs on an averaged basis. As demonstrated by SWBT, those revenues are largely generated in the low-cost metropolitan areas, but recover costs incurred in high-cost areas. SWBT recommends recovering the common line costs on a flat-rate basis, including phased-in increases to the interstate EUCL and recovering any remaining common line costs from the new universal service fund. If this approach is not used, then other alternatives would be necessary, including bulk billing, and flat-rating and deaveraging CCL charges. Under any circumstances, LTS should be removed from the contributing LECs' CCL charges.

Low-Income Consumers

Funding for Lifeline and Linkup in all areas should be made explicit, with rule changes made to accommodate different rates and rate structures.

All carriers should have the option to present book costs. There should be no artificial or arbitrary conditions on the ability of a carrier to seek such a waiver. The question demonstrates the problem with proxies in determining which number is correct. Attachment 1 shows a limited comparison of some of the data presented in connection with this proceeding. This Attachment addresses the question "Which Cost is Right?".

44. How can a proxy model be modified to accommodate technological neutrality?

Unless a proxy model can adequately replicate actual costs, its use is inappropriate.

Absent such a demonstration, SWBT does not believe the models should simply be modified for the sake of being able to say technological neutrality was somehow taken into account.

45. Is it appropriate for a proxy model adopted by the Commission in this proceeding to be subject to proprietary restrictions, or must such a model be a public document?

All data and the proxy model must be available to the public. The data and calculations used in the USF are publicly available, and still unfounded allegations are made and concerns expressed that the process is being "manipulated". One of the alleged reasons for developing a proxy was to create a publicly available process and set of data that would not be susceptible to manipulation, and which would theoretically provide for portable support to all incumbent LECs and new entrants on the same basis. Presumably, each participant should have the right to verify that inputs and calculations pertaining to its area are correct. Proxy models must be completely public to provide a competitively neutral basis for distributing universal service funds. Even thinking that a proxy would be allowed to contain information not available to public access and review would run counter to the existing, though unfounded concerns about the use of company-

CERTIFICATE OF SERVICE

I, Regina Minor, hereby certify that the foregoing "Erratum" in CC Docket No. 96-45, has been served this 5th day of August, 1996 to the Parties on the attached service list.

Regina Minor

August 5, 1996

THE HONORABLE REED E HUNDT CHAIRMAN FEDERAL COMMUNICATIONS COMMISSION 1919 M STREET NW ROOM 814 WASHINGTON DC 20554 THE HONORABLE RACHELLE B CHONG COMMISSIONER FEDERAL COMMUNICATIONS COMMISSION 1919 M STREET NW ROOM 844 WASHINGTON DC 20054

THE HONORABLE SUSAN NESS
COMMISSIONER
FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET NW ROOM 832
WASHINGTON DC 20554

THE HONORABLE JULIA JOHNSON COMMISSIONER FLORIDA PUBLIC SERVICE COMMISSION CAPITAL CIRCLE OFFICE CENTER 2540 SHUMARD OAK BLVD TALLAHASSEE FLORIDA 32399-0850

THE HONORABLE KENNETH MCCLURE VICE CHAIRMAN MISSOURI PUBLIC SERVICE COMMISSION 301 WEST HIGH STREET SUITE 530 JEFFERSON CITY MO 65102

THE HONORABLE SHARON L NELSON CHAIRMAN WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION PO BOX 47250 OLYMPIA WA 98504-7250

THE HONORABLE LASKA SCHOENFELDER COMMISSIONER SOUTH DAKOTA PUBLIC UTILITIES COMMISSION 500 E CAPITAL AVENUE PIERRE SD 57501

MARTHA S HOGERTY
PUBLIC COUNSEL FOR THE STATE OF MISSOURI
P O BOX 7800
HARRY S TRUMAN BUILDING ROOM 250
JEFFERSON CITY MO 65102

DEBORAH DUPONT FEDERAL STAFF CHAIR FEDERAL COMMUNICATIONS COMMISSION 2000 L STREET NW SUITE 257 WASHINGTON DC 20036 PAUL E PEDERSON STATE STAFF CHAIR MISSOURI PUBLIC SERVICE COMMISSION P O BOX 360 TRUMAN STATE OFFICE BUILDING JEFFERSON CITY MO 65102 EILEEN BENNER IDAHO PUBLIC UTILITIES COMMISSION P O BOX 83720 BOISE ID 83720-0074 CHARLES BOLLE SOUTH DAKOTA PUBLIC UTILITIES COMMISSION STATE CAPITAL 500 E CAPITAL AVENUE PIERRE SD 57501-5070

GARY SEIGEL FEDERAL COMMUNICATIONS COMMISSION 2000 L STREET NW SUITE 812 WASHINGTON DC 20036 LORRAINE KENYON ALASKA PUBLIC UTILITIES COMMISSION 1016 WEST SIXTH AVENUE SUITE 400 ANCHORAGE AK 99501

DEBRA M KRIETE
PENNSYLVANIA PUBLIC UTILITIES COMMISSION
P O BOX 3265
HARRISBURG PA 17105-3265

CLARA KUEHN
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 2:57
WASHINGTON DC 20036

MARK LONG
FLORIDA PUBLIC SERVICE COMMISSION
2540 SHUMARD OAK BLVD
GERALD GUNTER BUILDING
TALLAHASSEE FL 32399-0850

SAMUEL LOUDENSLAGER
ARKANSAS PUBLIC SERVICE COMMISSION
P O BOX 400
LITTLE ROCK AR 72203-0400

SANDRA MAKEEFF
IOWA UTILITIES BOARD
LUCAS STATE OFFICE BUILDING
DES MOINES IA 50319

PHILLIP F MC CLELLAND
PENNSYLVANIA OFFICE OF CONSUMER ADVOCATE
1425 STRAWBERRY SQUARE
HARRISBURG PA 17120

MICHAEL A MCRAE D C OFFICE OF THE PEOPLE'S COUNSEL 1133 15TH STREET NW SUITE 500 WASHINGTON DC 20005 RAFI MOHAMMED FEDERAL COMMUNICATIONS COMMISSION 2000 L STREET NW SUITE 812 WASHINGTON DC 20036

TERRY MONROE NEW YORK PUBLIC SERVICE COMMISSION THREE EMPIRE PLAZA ALBANY NY 12223 ANDREW MULITZ
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 257
WASHINGTON DC 20036

MARK NADEL FEDERAL COMMUNICATIONS COMMISSION 1919 M STREET NW ROOM 542 WASHINGTON DC 20554 GARY ODDI FEDERAL COMMUNICATIONS COMMISSION 2000 L STREET NW SUITE 257 WASHINGTON DC 20036

LEE PALAGYI
WASHINGTON UTILITIES AND TRANSPORTATION
COMMISSION
P O BOX 47250
OLYMPIA WA 98504-7250

JEANINE POLTRONIERI
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 257
WASHINGTON DC 20036

JAMES BRADFORD RAMSAY
NATIONAL ASSOCIATION OF REGULATORY
UTILITY COMMISSIONERS
1201 CONSTITUTION AVENUE NW
WASHINGTON DC 20423

JONATHAN REEL
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 257
WASHINGTON DC 20036

BRIAN ROBERTS
CALIFORNIA PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE
SAN FRANCISCO CA 94102-3298

GARY SIEGEL
FEDERAL COMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 812
WASHINGTON DC 20036

PAMELA SZYMCZAK FEDERAL COMMUNICATIONS COMMISSION 2000 L STREET NW SUITE 257 WASHINGTON DC 20036 WHITING THAYER
FEDERAL TELECOMMUNICATIONS COMMISSION
2000 L STREET NW SUITE 8:2
WASHINGTON DC 20036

DEBORAH S WALDBAUM
COLORADO OFFICE OF CONSUMER COUNSEL
1380 LOGAN STREET SUITE 610
DENVER COLORADO 80203

ALEX BELINFANTE
FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET NW
WASHINGTON DC 20554

LARRY POVICH
FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET NW
WASHINGTON DC 20554

OFFICE OF THE SECRETARY FEDERAL COMMUNICATIONS COMMISSION WASHINGTON, D.C. 20554

INTERNATIONAL TRANSCRIPTION SERVICE ROOM 640 1990 M STREET NW WASHINGTON DC 20036 THE INTERACTIVE SERVICES ASSOCIATION EDWIN N. LAVERGNE
J THOMAS NOLAN
GINSBURG FELDMAN AND BRESS
CHARTERED
1250 CONNECTICUT AVENUE NW
WASHINGTON DC 20036

ELLIS JACOBS
COUNCIL FOR THE EDGEMONT NEIGHBORHOOD
COALITION
LEGAL AID SOCIETY OF DAYTON
333 WEST FIRST STREET SUITE 500
DAYTON OH 45402

PUBLIC UTILITY COMMISSION OF TEXAS VICKI OSWALT DIRECTOR OFFICE OF POLICY DEVELOPMENT 7800 SHOAL CREEK BOULEVARD AUSTIN TEXAS 78757-1098

BRITE VOICE SYSTEMS INC DAVID F HEMMINGS EXECUTIVE VICE PRESIDENT 7309 EAST 21ST STREET NORTH WICHITA KANSAS 67206 RONALD A GAGNON EXECUTIVE DIRECTOR NOBLE 26 CHERRY HILL DRIVE DANVERS MA 01923

CAROLYN PURCELL
EXECUTIVE DIRECTOR
DEPARTMENT OF INFORMATION RESOURCES
PO BOX 13564
AUSTIN TEXAS 78711-3564

ADAM TURNER
CONSULTANT TO THE RESIDENT REPRESENTATIVE
2121 R STREET NW
WASHINGTON DC 20006

MITCHELL SPRAGUE
MENDOCINO UNIFIED SCHOOL DISTRICT
PO BOX 1154
MENDOCINO CA 95460

ALLIED ASSOCIATED PARTNERS LP GELD INFORMATION SYSTEMS CURTIS T WHITE MANAGING PARTNER 4201 CONNECTICUT AVE NW SUITE 402 WASHINGTON DC 20008-1158

RONALD K GREENHALGH CHIEF ENGINEER NATIONAL RURAL ELECTRIC COOPERATIVE ASSOCIATION 4301 WILSON BOULEVARD ARLINGTON VA 22203-1860 STATE OF SOUTH CAROLINA
PUBLIC SERVICE COMMISSION
R GLENN RHYNE MANAGER
RESEARCH DEPARTMENT
PO DRAWER 11649
COLUMBIA SOUTH CAROLINA 29211

JEANNE HURLEY SIMON
UNITED STATES NATIONAL COMMISSION ON
LIBRARIES AND INFORMATION SCIENCE
1110 VERMONT AVENUE NW SUITE 820
WASHINGTON DC 20005-3522

LUCELLA HARRISON PRESIDENT
OAKLAND UNIFIED SCHOOL DISTRICT
1025 SECOND AVENUE
OAKLAND CALIFORNIA 94606

JUDITH A BILLINGS SUPERINTENDENT OF PUBLIC INSTRUCTION OLD CAPITOL BUILDING PO BOX 47200 OLYMPIA WASHINGTON 98504-7200 DR WILLIAM J TOBIN
EXECUTIVE DIRECTOR
EARLY CHILDHOOD DEVELOPMENT CENTER
LEGISLATIVE COALITION
3612 BENT BRANCH COURT
FALLS CHURCH VA 22041

KEVIN STARR STATE LIBRARIAN OF CALIFORNIA CALIFORNIA STATE LIBRARY LIBRARY COURT BUILDING PO BOX 942837 SACRAMENTO CA 94237-0001 WAYNE A LEIGHTON PHD
JAMES L GATTUSO
CITIZENS FOR A SOUND ECONOMY FOUNDATION
1250 H STREET NW SUITE 700
WASHINGTON DC 20005

DR STANLEY GARDNER MISSOURI STATE LIBRARY PO BOX 387 JEFFERSON CITY MO 64102 MARK SAVAGE 1535 MISSION STREET SAN FRANCISCO CA 94103

EIRC B WITTE
ASSISTANT GENERAL COUNSEL
ATTORNEY FOR THE MISSOURI PSC
PO BOX 360
JEFFERSON CITY MO 65102

THOMAS E TAYLOR
JACK B HARRISON
FROST & JACOBS
ATTORNEYS FOR CINCINNATI BELL TEL CO
2500 PNC CENTER
201 EAST FIFTH STREET
CINCINNATI OHIO 45202

KEVIN J CONNELLAN ACTING DIRECTOR LEGISLATION AND PUBLIC POLICY AARP 601 E STREET NW WASHINGTON DC 20049 BRADLEY C STILLMAN ESQ DIRECTOR TELECOMMUNICATIONS POLICY DR MARK N COOPER DIRECTOR OF RESEARCH CONSUMER FEDERATION OF AMERICA 1424 16TH STREET NW SUITE 604 WASHINGTON DC 20036

RICHARD A ASKOFF
ATTORNEY FOR NATIONAL EXCHANGE CARRIER
ASSOCIATION INC
100 SOUTH JEFFERSON ROAD
WHIPPANY NEW JERSEY 07981

ANDREW D LIPMAN
MARK SIEVERS
SWIDLER & BERLIN CHARTERED
ATTORNEYS FOR MFS COMMUNICATIONS CO INC
3000 K STREET NW SUITE 300
WASHINGTON DC 20007

THE NYNEX TELEPHONE COMPANIES
JOSEPH DIBELLA
1300 I STREET NW SUITE 400 WEST
WASHINGTON DC 20005

KENNETH T BURCHETT VICE PRESIDENT GVNW INC/MANAGEMENT PO BOX 230339 PORTLAND OREGON 97281-0399

THE SOUTHERN NEW ENGLAND
TELEPHONE COMPANY
ANNE U MACCLINTOCK
VP REGULATORY AFFAIRS & PUBLIC POLICY
227 CHURCH STREET
NEW HAVEN CONNECTICUT 06510

DANIEL L BRENNER
NEAL M GOLDBERG
DAVID L NICOLL
COUNSEL FOR THE NATIONAL CABLE
TELEVISION ASSOCIATION INC
1724 MASSACHUESETS AVENUE NW
WASHINGTON DC 20036

NATIONAL ASSOCIATION OF REGULATORY UTILITY COMMISSIONERS PAUL RODGERS CHARLES D GRAY 1201 CONSTITUTION AVENUE SUITE 1102 P O BOX 684 WASHINGTON DC 20044 BELLSOUTH CORPORATION
BELLSOUTH TELECOMMUNICATIONS INC
M ROBERT SUTHERLAND
RICHARD M SBARATTA
REBECCA M LOUGH
1155 PEACHTREE STREET NE SUITE 1700
ATLANTA GEORGIA 30309-3610

MICHAEL J KARSON ATTORNEY FOR AMERITECH 2000 WEST AMERITECH CENTER DRIVE ROOM 4H88 HOFFMAN ESTATES IL 60196-1025 VANGUARD CELLULAR SYSTEMS INC ROYMOND G BENDER JR J G HARRINGTON ITS ATTORNEYS DOW LOHNES & ALBERTSON 1200 NEW HAMPSHIRE AVENUE NW SUITE 800 WASHINGTON DC 20037

U S WEST INC KATHRYN MARIE KRAUSE 1020 19TH STREET NW SUITE 700 WASHINGTON DC 20036 MCI TELECOMMUNICATIONS CORPORATION CHRIS FRENTRUP SENIOR REGULATORY ANALYST 1801 PENNSYLVANIA AVENUE NW WASHINGTON DC 20036

TELECOMMUNICATIONS RESELLERS ASSOCIATION CHARLES C HUNTER HUNTER & MOW PC 1620 I STREET NW SUITE 701 WASHINGTON DC 20006

UNITED STATES TELEPHONE ASSOCIATION MARY MCDERMOTT LINDA KENT CHARLES D COSSON 1401 H STREET NW SUITE 600 WASHIANGTON DC 20005

THE PERSONAL COMMUNICATIONS INDUSTRY
ASSOCIATION
MARK J GOLDEN
ROBERT R COHEN
500 MONTGOMERY STREET SUITE 700
ALEXANDRIA VA 22314-1561

ROBERTA KATZ
PETER HARTER
NETSCAPE COMMUNICATIONS CORP
487 EAST MIDDLEFIELD ROAD
MOUNTAIN VIEW CA 94043

JEFFREY BLUMENFELD
GLENN MANISHIN
CHRISTY KUNIN
CHRISTINE MAILLOUX
BLUMENFLED & COHEN
1615 M STREET NW SUITE 700
WASHINGTON DC 20036

NRTA
MARGOT SMILEY HUMPHREY KOTEEN & NAFTALIN LLP
1150 CONNECTICUT AVE NW
SUITE 1000
WASHINGTON DC 20036

NTCA
DAVID COOSON
L MARIE GUILLORY
STEVE WATKINS
2626 PENNSYLVANIA AVENUE NW
WASHINGTON DC 20037

OPASTCO LISA M ZAINA KEN JOHNSON 21 DUPONT CIRCLE NW SUITE 700 WASHINGTON DC 20036

DAVID R POE
YVONNE M COVIELLO
ATTORNEYS FOR TIME WARNER COMMUNICATIONS HOLDINGS INC
LEBOEUF LAMB GREEN & MACRAE LLP
1875 CONNECTICUT AVENUE NW
SUITE 1200
WASHINGTON DC 20009

PAUL B JONES
JANIS A STAHLHUT
DONALD SHEPHEARD
TIME WARNER COMMUNICATIONS HOLDINGS INC
300 FIRST STAMFORD PLACE
STAMFORD CT 06902-6732

AT&T CORPORATION
MARK C ROSENBLUM
PETER H JACOBY
JUDY SELLO
295 NORTH MAPLE AVENUE
ROOM 3244J1
BASKING RIDGE NEW JERSEY 07920

STATE OF NEW JERSEY
BOARD OF PUBLIC UTILITIES
DR EDWARD H SALMON COMMISSIONER
CN-350
TRENTON NEW JERSEY 08625-0350

RICHARD MCKENNA HQE03J36 ATTORNEY FOR GTE SERVICE CORPORATION PO BOX 152092 IRVING TEXAS 75015-2092 GAIL L POLIVY ATTORNEY FOR GTE SERVICE CORPORATION 1850 M STREET NW SUITE 1200 WASHINGTON DC 20036

NYNEX GOVERNMENT AFAIRS SUSAN GUYER 1300 I STREET NW SUITE 400 WEST WASHINGTON DC 20005 KATHLEEN F O'REILLY ATTORNEY FOR THE MICHIGAN CONSUMER FEDERATION 414 A STREET SOUTHEAST WASHINGTON DC 20003 STATE OF WASHINGTON
WASHINGTON STATE LIBRARY
ATTENTION NANCY ZUSSY
PO BOX 42460
OLYMPIA WASHINGTON 98504-2460

KATHLEEN Q ABERNATHY
DAVID A GROSS
ATTORNEYS FOR AIRTOUCH COMMUNICATIONS INC
1818 N STREET NW
WASHINGTON DC 20036

JAMES R FORCIER
ATTORNEY FOR AIRTOUCH COMMUNICATIONS INC
ONE CALIFORNIA STREET 9TH FLOOR
SAN FRANCISCO CA 94111

CATHERINE R SLOAN
RICHARD L FRUCHTERMAN
RICHARD S WHITT
ATTORNEYS FOR WORLDCOMM INC
120 CONNECTICUT AVENUE NW
SUITE 400
WASHINGTON DC 20036

RANDOLPH J MAY
TIMOTHY J COONEY
SUTHERLAND ASBILL & BRENNAN
ATTORNEYS FOR COMPUSERVE INC
1275 PENNSYLVANIA AVENUE NW
WASHINGTON DC 20004-2404

GENEVIEVE MORELLI VP AND GENERAL COUNSEL THE COMPETITIVE TELECOMMUNICATIONS ASSOC 1140 CONNECTICUT AVENUE NW SUITE 220 WASHINGTON DC 20036

BRAD E MUTSCHELKNAUS STEVEN A AUGUSTINO KELLEY DRYE & WARREN 1200 NINETEENTH STREET NW SUITE 500 WASHINGTON DC 20036 PHILLIP L VERVEER
JENNIFER A DONALDSON
JENNIFER L DESMOND
WILLKIE FARR & GALLAGHER
1155 21ST STREET NW SUITE 600
THREE LAFAYETTE CENTRE
WASHINGTON DC 20036-3384

MICHAEL F ALTSCHUL
RANDALL S COLEMAN
CELLULAR TELECOMMUNICATIONS
INDUSTRY ASSOCIATION
1250 CONNECTICUT AVENUE NW SUITE 200
WASHINGTON DC 20036

FIONA BRANTON
DIRECTOR OF GOVT RELATIONS AND REGULATORY
COUNSEL
INFORMATION TECHNOLOGY INDUSTRY COUNCIL
1250 EYE STREET NW
WASHINGTON DC 20005

MARGOT SMILEY HUMPHREY
ATTORNEY FOR CENTURY TELEPHONE ENTERPRISES
INC AND TDS TELECOMMUNICATIONS CORP
KOTEEN & NAFTALIN
1150 CONNECTICUT AVENUE NW
SUITE 1000
WASHINGTON DC 20036

THE BELL ATLANTIC TELEPHONE COMPANIES LAWRENCE W KATZ
320 NORTH COURT HOUSE ROAD EIGHTH FLOOR
ARLINGTON VIRGINIA 22201

JAY C KEITHLEY LEON M KESTENBAUM H RICHARD JUHNKE ATTORNEYS FOR SPRINT CORP 1850 M STREET NW SUITE 1100 WASHINGTON DC 20036 CRAIG T SMITH ATTORNEY FOR SPRINT CORP PO BOX 11315 KANSAS CITY MO 64112

J MANNING LEE
TELEPORT COMMUNICATIONS GROUP INC
TWO TELEPORT DRIVE SUITE 300
STATEN ISLAND NEW YORK 10311

ROBERT J SACHS
HOWARD B HOMONOFF
CONTINENTAL CABLEVISION INC
LEWIS WHARF PILOT HOUSE
BOSTON MASSACHUSETTS 02110

BRENDA L FOX CONTINENTAL CABLEVISION INC 1320 19TH STREET NW SUITE 201 WASHINGTON DC 20036 HOWARD J SYMONS
JEFFIFER A PURVIS
MINTZ LEVIN COHN FERRIS
GLOVSKY AND POPEO PC
701 PENNSYLVANIA AVENUE NW
SUITE 900
WASHINGTON DC 20004

RONALD PLESSER
JAMES HALPERT
MARK O'CONNOR
ATTORNEYS FOR COMMERCIAL INTERNET
EXCHANGE ASSOCIATION
PIPER & MARBURY LLP
1200 19TH STREET NW
SEVENTH FLOOR
WASHINGTON DC 20036

MICHAEL J. SHORTLEY III ATTORNEY FOR FRONTIER CORPORATION 180 SOUTH CLINTON AVENUE ROCHESTER NEW YORK 14646 EMILY WILLIAMS
ASSOCIATION FOR LOCAL TELECOMMUNICATIONS
SERVICES
1200 19TH STREET NW
WASHINGTON DC 20036

ALISON M HUGHES MPA UNIVERSITY OF ARIZONA HEALTH SCIENCES CENTER 2501 EAST ELM STREET TUCSON ARIZONA 85716

BRUCE D JACOBS
JASON S ROBERTS
ATTORNEYS FOR WAVEPHORE INC
FISHER WAYLAND COOPER LEADER
& ZARAGOZA LLP
2001 PENNSYLVANIA AVENUE NW
SUITE 400
WASHINGTON DC 20006

BRIAN R MOIR
MOIR & HARDMAN
ATTORNEY FOR INTERNATIONAL COMMUNICATIONS
ASSOCIATION
2000 L STREET NW
SUITE 512
WASHINGTON DC 20036-4907

MARTIN AVERY
EXECUTIVE DIRECTOR NAVAJO NATION
WASHINGTON OFFICE
1101 17TH STREET NW SUITE 250
WASHINGTON DC 20036

MARY DENT
GOLDBERG GODLES WIENER & WRIGHT
ATTORNEY FOR APPLE COMPUTER INC
1229 NINETEENTH STREET NW
WASHINGTON DC 20036

RICHARD CIVILLE
CENTER FOR CIVIC NETWORKING INC
PO BOX 53152
WASHINGTON DC 20008

TIMOTHY R GRAHAM
ROBERT M BERGER
JOSEPH M SANDRI JR
ATTORNEYS FOR WINSTAR COMMUNICATIONS INC
1146 19TH STREET NW
WASHINGTON DC 20036

JAMES ROWE
ALASKA TELEPHONE ASSOCIATION
4341 B STREET SUITE 304
ANCHORAGE AK 99503

GARY M EPSTEIN
TEREAS D BAER
MICHEL S WROBLEWSKI
LATHAM & WATKINS
ATTORNEYS FOR PACIFIC TELECOM INC
1001 PENNSYLVANIA AVENUE NW SUITE 1300
WASHINGTON DC 20004

BRAD E MUTSCHELKNAUS
JOHN J HEITMANN
JELLEY DRYE & WARREN
ATTORNEYS FOR LCI INTERNATIONAL TELECOM CORP
1200 19TH STREET NW
WASHINGTON DC 20036

GENE BELARDI VICE PRESIDENT MOBILE MEDIA COMMUNICATIONS INC 2101 WILSON BOULEVARD SUITE 935 ARLINGTON VIRGINIA 2220

DAVID PIERCE AACC ONE DUPONE CIRCLE NW SUITE 410 WASHINGTON DC 20036 RAY TAYLOR ACCT 1740 N STREET NW WASHINGTON DC 20036

CHERYL L PARRINO
PUBLIC SERVICE COMMISSION OF WISCONSIN
610 NORTH WHITNEY WAY
PO BOX 7854
MADISON WI 53707-7854

MARC A STONE FRED WILLIAMSON & ASSOCIATES INC 2921 EAST 91ST STREET SUITE 200 TULSA OKLAHOMA 74137-3300

MICHAEL C STRAND
MONTANA INDEPENDENT TELECOMMUNICATIONS
SYSTEMS INC
519 N SANDERS
PO BOX 5237
HELENA MONTANA 59604-5237

MICHAEL T SKRIVAN HARRIS SKRIVAN & ASSOCIATES LLC 8801 S YALE SUITE 220 TULSA OK 74137

DEBORAH C COSTLOW TREG TREMONT WINSTON & STRAWN 1400 L STREET NW WASHINGTON DC 20005 ALABAMA PSC MARY E NEWMEYER PO BOX 991 MONTGOMERY ALABAMA 36101 RICHARD A MUSCAT
ASSISTANT ATTORNEY GENERA
CONSUMER PROTECTION DIVISION
PUBLIC AGENCY REPRESENTATION SECTION
PO BOX 12548 CAPITOL STATION
AUSTIN TEXAS 78711-2548

RICHARD M TETTELBAUM ASSOCIATE GENERAL COUNSEL CITIZENS UTILITIES COMPANY SUITE 500 1400 16TH STREET NW WASHINGTON DC 20036

GENE DEJORDY ESQ CHRISTOPHER JOHNSON WESTERN WIRELESS CORPORATION 330 120TH AVENUE NE SUITE 200 BELLEVUE WASHINGTON 98005 MICHAEL S FOX DIRECTOR REGULATORY AFFAIRS JOHN STAURULAKIS INC TELECOMMUNICATIONS CONSULTANTS 6315 SEABROOK ROAD SEABROOK MARYLAND 20706

DR STANLEY GARDNER
MISSOURI STATE LIBRARY
PO BOX 387
JEFFERSON CITY MISSOUR 65102

WAYNE A LEIGHTON
JAMES GATTUSO
CITIZENS FOR A SOUND ECONOMY FOUNDATION
1250 H STREET NW SUITE 700
WASHINGTON DC 20005

KEVIN STARR STATE LIBRARIAN OF CALIFORNIA LIBRARY COURT BUILDING PO BOX 942837 SACRAMENTO CA 94237-0001 DR WILLIAM J TOBIN
EARLY CHILDHOOD DEVELOPMENT CENTER
LEGISLATIVE COALITION
2612 BENT BRANCH COURT
FALLS CHURCH VA 22041

HON ALBERT VANN
NEW YORK STATE ASSEMBLY
LEGISLATIVE OFFICE BUILDING # 422
FOR THE NATIONAL BLACK CAUCUS OF STATE
LEGISLATORS TELECOMMUNICATIONS &
ENERGY COMMITTEE
ALBANY NEW YORK 12248

VIRGINIA STATE CORPORATION COMMISSION DIVISION OF COMMUNICATIONS 1200 EAST MAIN STREET - 9TH FLOOR PO BOX 1197 RICHMOND VA 23218 NICHOLAS P MILLER
WILLIAM MALONE
MATTHEW C AMES
MILLER CANFIELD PADDOCK & STONE PLC
ATTORNEYS FOR THE JOINT COMMENTERS
1225 19TH STREET NW SUITE 400
WASHINGTON DC 20036-2420

RODNEY L JOYCE
EDWIN LAVERGNE
J THOMAS NOLAN
GINSBURG FELDMAN & BRESS CHARTERED
1250 CONNECTICUT AVENUE NW
WASHINGTON DC 20036

BB KNOWLES DIRECTOR
UTILITIES DIVISION
GEORGIA PUBLIC SERVICE COMMISSION
244 WASHINGTON STREET SW
ATLANTA GEORGIA 30334-5701

JOAN MANDEVILLE GENERAL MANAGER MONTANA TELEPHONE ASSOCIATION PO BOX 2166 GREAT FALLS MT 59403

DENNIS L BYBEE PHD
ASSOCIATE EXECUTIVE OFFICER
INTERNATIONAL SOCIETY FOR TECHNOLOGY
IN EDUCATION
USA NATIONAL OFICE
PO BOX 4437
ALEXANDRIA VA 22303

J MAURICE TRAVILLIAM
ASSISTANT STATE SUPERINTENDENT FOR LIBRARIES
DIVISION OF LIBRARY AND SERVICES
MARYLAND STATE DEPARTMENT OF EDUCATION
200 W BALTIMORE STREET
BALTIMORE MD 21201

HOWARD D POLSKY
ROBERT MANSBACH
ATTORNEYS FOR COMSAT CORP AND COMSAT
INTERNATIONAL COMMUNICATIONS
6560 ROCK SPRING DRIVE
BETHESDA MD 20817

KEVIN TAGLANG BENTON FOUNDATION 1634 EYE STREET NW WASHINGTON DC 20006

US NATIONAL COMMISSION ON LIBRARIES AND INFORMATION SCIENCE 1110 VERMONT AVENUE NW SUITE 820 WASHINGTON DC 20005-3522 NATIONAL ASSOCIATION OF DEVELOPMENT ORGANIZATIONS 444 NORTH CAPITOL STREET NW SUITE 630 WASHINGTON DC 20001 MARY ELLEN EMMONS PRESIDENT THE ALASKA LIBRARY ASSOCIATION PO BOX 81084 FAIRBANKS ALASKA 99708 RURAL IOWA INDEPENDENT TELEPHONE ASSOC HOWARD HUNT PRESIDENT PO BOX 10 DIXON IOWA 52745

LINDOLN TRAIL LIBRARIES SYSTEM 1704 W INTERSTATE DRIVE CHAMPAIGN IL 61821 DISTANCE DELIVERY CONSORTIUM PO BOX 2401 BETHEL ALASKA 99559

LEGAL AID SOCIETY OF DAYTON INC
ELLIS JACOBS
COUNSEL FOR THE EDGEMONT NEIGHBORHOOD
COALITION
333 WEST FIRST STREET SUITE 500
DAYTON OHIO 45402-3031

CAROLYN PURCELL
EXECUTIVE DIRECTOR
DEPARTMENT OF INFORMATION RESOURCES
PO BOX 13564
AUSTIN TEXAS 78711-3564

ROBERT C HETERICK JR PRESIDENT EDUCOM 1112 16TH STREET NW SUITE 600 WASHINGTON DC 20036 RICHARD FINNIGAN 2405 EVERGREEN PARK DRIVE SW SUITE B-1 OLYMPIA WASHINGTON 98502

CALIFORNIA LIBRARY ASSOCIATION MARY SUE FERRELL EXECUTIVE DIRECTOR 717 K STREET SUITE 300 SACRAMENTO CA 95814-3477 RONALD DUNN PRESIDENT
INFORMATION INDUSTRY ASSOCIATION
1625 MASSACHUSETTS AVENUE NW
SUITE 700
WASHINGTON DC 20036

ROGER HAMILTON RON EACHUS JOAN H SMITH OREGON PUBLIC UTILITY COMMISSION 550 CAPITOL ST NE SALEM OR 97310-1380 ROBERT BOCHER
TECHNOLOGY CONSULTANT
STATE OF WISCONSIN
DEPARTMENT OF PUBLIC INSTRUCTION
PO BOX 7841
MADISON WI 53707-7841

JEFFREY F BECK
JILLISA BRONFMAN
BECK & ACKERMAN
FOUR EMBARCADERO CENTER SUITE 760
SAN FRANCISCO CA 94111

DAVID A IRWIN
IRWIN CAMPBELL & TANNENWALD PC
730 RHODE ISLAND AVE NW
WASHINGTON DC 20036

LON LEVIN
VP AND REGULATORY COUNSEL
AMSC SUBSIDIARY CORPORATION
10802 PARK RIDGE BOULEVARD
RESTON VIRGINIA 22091

MAUREEN SCOTT
ASSISTANT COUNSEL
COMMONWEALTH OF PEN'NSYLVANIA
PENNSYLVANIA PUBLIC UTILITY COMMISSION
PO BOX 3265
HARRISBURG PA 17105-3265

THE STATE OF ALASKA
ROBERT HALPERIN
CROWELL & MORING
1001 PENNSYLVANIA AVENUE NW
WASHINGTON DC 20004

JOSEPH P MARKOSKI
JAMES FINK
SQUIRE SANDERS & DEMPSEY
ATTORNEYS FOR THE INFORMATION TECHNOLOGY
ASSOC OF AMERICA AND THE ELECTRONIC
MESSAGING ASSOC
1201 PENNSYLVANIA AVENUE NW
PO BOX 407
WASHINGTON DC 20044

CHARLES KENNEDY
MORRISON & FOERSTER LLP
ATTORNEY FOR THE WESTERN ALLIANCE
2000 PENNSYLVANIA AVENUE NW
SUITE 5500
WASHINGTON DC 20006

RICHARD RILEY
US SECRETARY OF EDUCATION
US DEPARTMENT OF EDUCATION
600 INDEPENDENCE AVE SW
WASHINGTON DC 20202-0100

HENRY GOLDBERG
W KENNETH FERREE
GOLDBERG GODLES WIENER & WRIGHT
ATTORNESY FOR OPTEL INC
1229 19TH STREET NW
WASHINGTON DC 20036

DALE WHITE
COMMERCIAL SERVICES MANAGER
CHURCHILL COUNTY TELEPHONE & TELEGRAPH
PO BOX 2390
50 WEST WILLIAMS AVENUE
FALLON NEVADA 89406

JAMES S BLASZAK
KEVEN DILALLO
LEVINE BLASZAK BLOCK & BOOTHBY
ATTORNEYS FOR AD HOC TELECOMMUNICATIONS
USERS COMMITTEE
1300 CONNECTICUT AVENUE NW
SUITE 500
WASHINGTON DC 20036-1703

PACIFIC TELESIS GROUP
RANDALLE E CAPE
LUCILLE M MATES
NANCY C WOOLF
140 NEW MONTGOMER STREET ROOM 1523
SAN FRANCISCO CA 94105

MARGARET E GARBER ATTORNEY FOR PACIFIC TELESIS GROUP 1275 PENNSYLVANIA AVENUE NW WASHINGTON DC 20004 BOB ROWE COMMISSIONER.
MONTANA PSC
1701 PROSPECT AVENUE
PO BOX 202601
HELENA MONTANA 59620-2:501

JEFFREY L SHELDON SEAN A STOKES UTC 1140 CONNECTICUT AVENUE NW SUITE 1140 WASHINGTON DC 20036

BONNIE PRICE 7027 HAVERHILL PARK ROAD WHITTIER CA 90602

RICHARD BULMAN SENIOR VP MEMBER SERVICES 2201 COOPERATIVE WAY HERNDON VIRGINIA 22071 JAY SANDERS MD
PRESIDENT AMERICAN TELEMEDICINE ASSOC
901 15TH STREET NW
WASHINGTON DC 20036